

Exhibit AB

Page 1

Specifications For C:\PASS DSP development\output board\16 channel D to
A card2.pcb
On 18-Feb-2001 at 23:19:35

Size Of board 19.634 x 9.922 sq in
Equivalent 14 pin components 1.57 sq in/14 pin component
Components on board 354

Layer	Route	Pads	Tracks	Fills	Arcs	Text
Top Layer		49	2142	0	0	1
Mid Layer 3		0	15831	0	0	0
Bottom Layer		49	38844	0	1767	2
Top Overlay		0	1539	2	326	719
Bottom Overlay		0	0	0	0	4
Top Paste		0	0	0	0	1
Bottom Paste		0	0	0	0	1
Top Solder Mask		0	0	2	0	1
Bottom Solder Mask		0	0	2	0	1
Internal Plane 1		0	1	0	0	0
Internal Plane 2		0	153	0	4	0
Internal Plane 4		0	17	0	0	0
Keep Out Layer		0	26	0	0	0
Mechanical Layer 1		0	24	0	0	0
Mechanical Layer 3		0	34	0	0	0
Mechanical Layer 4		0	338	0	69	50
Drill Drawing		0	49	0	1	23
Multi Layer		1672	0	0	0	0
Total		1770	58998	6	2167	803

Layer Pair	Vias
Top Layer - Bottom Layer	451
Total	451

Exhibit AB

Non-Plated Hole Size	Pads	Vias
Total	0	0

Page 1

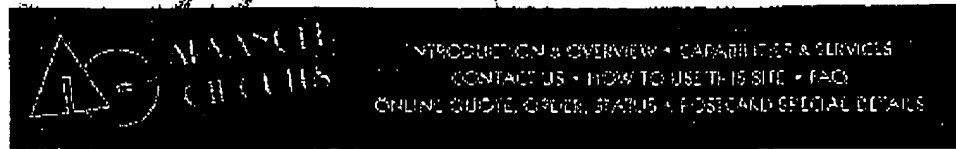
Plated Hole Size	Pads	Vias
0mil (0mm)	98	0
28mil (0.7112mm)	382	451
30mil (0.762mm)	26	0
32mil (0.8128mm)	1259	0
125mil (3.175mm)	3	0
140mil (3.556mm)	2	0
Total	1770	451

Top Layer Annular Ring Size	Count
-90mil (-2.286mm)	2

Advanced Circuits Quote

Page 1 of 2

D

**Quote Online (Step 1 of 4)**

www.4pcb.com Phone: 1-800-289-1724

LOW PRICE GUARANTEE Quote Date: 2/19/2001 Quote Number: 259322
Part Number: 000-00100 Revision: A

To Preview Order, click on unit price

PROTOTYPE Price Matrix - unit price						
Qty	5-day	4-day	3-day	2-day	1-day	same-day
2	\$503.00	\$603.00	\$1,028.00	\$1,403.00	\$1,703.00	Call Us!
5	Call Us!	Call Us!	Call Us!	Call Us!	Call Us!	Call Us!
Prototype assumptions/specs: 4 Layers, 0.062 "FR4, Dimensions: 19.634" x 19.922", Plating: SMOBC, Cu Weight: 1 oz., Trace width/space: 0.008, Smallest hole size: 0.02", Gold Fingers:1, SMDs-top:0, SMDs-bottom: 0, SMD Pitch: 0", Sides to solder mask: 2 with LPI, Sides to legend: 1, CNC Rout points: 4, Tab Route: No, Scoring: No. Inspected to IPC-A-600F, Class 1.						
Prototype Tolerances: Drill +/- .005", rout +/- .010", mask +/- .006". All holes plated through.						
Tooling NRE = \$0 Test NRE = \$1,173.45						

To Preview Order, click on unit price

PRODUCTION Price Matrix - unit price								
Qty	4-week	2-week	1-week	4-day	3-day	2-day	1-day	same-day
5	\$270.64	\$311.24	\$433.02	\$568.34	\$730.73	\$947.24	\$1,353.20	Call Us!
25	\$184.24	\$211.88	\$294.78	\$386.90	\$497.45	\$644.84	\$921.20	Call Us!
100	\$168.04	\$193.25	\$268.86	\$352.88	\$453.71	\$588.14	\$840.20	Call Us!
Tooling NRE = \$259.00 Test NRE = \$1,173.45								

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http://www.4pcb.com/commerce/quote_code.asp

2/19/01

Main Identity

From: "Order Confirmation e-mail reply User" <service@4pcb.com>
To: <jmilsap@bminet.com>
Sent: Monday, March 12, 2001 1:23 PM
Subject: AC-Order-Confirmation-[73948]

Page 3

Thank you for your order!

Your Order Details :

Quantity : 10 pieces
Material thickness : 0.062"
Partnumber : PASS1
Rev :
Unit Price : 100.600
NRE : 0.000
Electrical Testing : 0
Shipment method : UPS-RED
Scheduled shipdate : MARCH 19, 2001
Your Payment method : CREDIT CARD
Total amount : \$200.00
Plus Shipping and Handling Charges

SHIP-TO:
P.A. Sound Systems
207 Canterbury Ct.

Cambridge WI 53523
USA

SOLD-TO:
P.A. Sound Systems
207 Canterbury Ct.
Cambridge WI 53523
USA

You may view your order status online at:

<http://www.4pcb.com>

Your Purchase Order Number: cc

Your AC Work Order Number: 73948
Your Internet Order Number: 52588

Your sales representative is:
Gus Owens 1-800-289-1724
<mailto:Gus@4pcb.com>

Advanced Circuits
21100 East 33rd Drive

3/15/01

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Orders 1-800-344-4539
Fax 218-681-3380
www.digikey.com

Pack List # 1

Page 4

Digi-Key

CORPORATION

Page: 1

Box: 1

701 Brooks Ave. S., P.O. Box 677, Thief River Falls, MN 56701-0677

Sold To:
JEFF MILSAP
P A SMD SYST
207 CANTERBURY SYST
CAMBRIDGE WI 53523-0000

Sales Order 8602593	Invoice 10460093	Customer 1976022	Account 576036	Customer P.O.
Prev. Sales Order 0	Entered Date 24-MAR-2001	Operator AOFX	Printing Date 26-MAR-2001	Back Orders Accepts to 23-APR-2001

730

Ordered	Cancelled	Qty	Location	Item Number	Shipped	Description	Back Order	Unit Price US \$	Amount US \$
1	0	1	LV- 3720	EF1103-ND	✓	100UF/100VDC METAL POLY CAP	C15	.42000	.42
1	0	2	LV- 3770	EF1474-ND	✓	47UF/100VDC METAL POLY CAP	C25	.69000	.69
1	0	3	LK- 1048	CT9X103-ND	✓	POT 10K 5MM CERM 50 MT SIDE SW	1/R1	1.65000	1.65
5	0	4	LL- 2068	2.94KXK-ND	✓	2.94K OHM 1/4W 1% METAL FILM R	250R51	.10800	.54
5	0	5	LL- 2164	29.4XK-ND	✓	29.4 OHM 1/4W 1% METAL FILM RE	282	.10800	.54
5	0	6	LM- 9871	4.99KXK-ND	✓	4.99K OHM 1/4W 1% METAL FILM R	R1R18	.10800	.54
10	0	7	LX- 2053	P5141-ND	✓	CAP 470UF 16V ALUM LYTIC RADIA	C9	.30100	3.01
2	0	8	LF- 2031	MM74HC138N-ND	✓	IC EXPANDABLE 3/8 DECODER 16 D	W4667	.66000	1.32
2	0	9	LE- 2154	MM74HC244N-ND	✓	IC TRI-ST OCTL LINE DRIVER 20D	W45	.80000	1.60
8	0	10	LS- 231	MM74HC32N-ND	✓	IC QUAD 2 IN OR GATE 14 DIP	W4444	.48000	3.84
2	0	11	LE- 2130	MM74HC573N-ND	✓	IC OCTAL TRANS LATCH 20 DIP	W35	.84000	1.68
2	0	12	LF- 2245	DAC0800LCN-ND	✓	8 BIT D/A CONVERTER 16 DIP	W17	2.14000	4.28
1	0	13	LJ- 2140	A2102-ND	✓	D-SUB RECP 25 PIN RT ANGLE .31	W1	3.42000	3.42
2	0	14	LQ- 2175	LM380N-ND	✓	2.5 WATT AUDIO PWR AMP 14-DIP	W9	1.58000	3.16
2	0	15	LD- 2042	LM741CN-ND	✓	HIGH PERFORM, OPERATIONAL AMP	W44	.56000	1.12
SHIPABLES: 15									
TOTAL INVOICED									27.81
** CHARGES SUBTOTAL **									27.81
TOTAL (EXCLUDING SHIPPING) CHARGED TO CREDIT CARD									27.81
									US \$
YOUR CREDITCARD WILL BE CHARGED ABOVE AMOUNT PLUS ACTUAL SHIPPING COSTS									
THE ORDER IS COMPLETE									
General - WEB ORDER ID: 770204									
ORDER PROCESSED BY A10L/SKB/1469									
These commodities, technology or software were exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.									
CERTIFICATE OF COMPLIANCE: The components included in the above shipment are in accordance with the requirements, specifications and/or drawings as applicable to this order. Technical specifications (chemical, physical, electrical, etc.), together with the results of any test performed by the manufacturer may be on file either at Digi-Key or in the plant of the manufacturer. No component sold by Digi-Key is approved on any military GDL or similar listing. This certification is valid only to the original customer and is not transferable. Contact Customer Service at 1-800-858-3616 if further information is required.									
Kim Gibert, Customer Service Assistant Manager									
ATTENTION!!									
IF STATIC SENSITIVE PARTS ARE RETURNED FOR ANY REASON, THEY MUST BE PACKAGED IN A STATIC SAFE MANNER.									

Claims for pricing errors, shortages, and defective product must be reported within 30 days of invoice date.

Contact Customer Service at 1-800-858-3616

DUNS No: 05 760 2120

FEI No: 41-1234968 YOU MUST REMIT SALES TAX (IF ANY) DIRECTLY TO YOUR STATE, EXCEPT MINNESOTA.

PAGE 36/80 * RCVD AT 1/27/2006 4:19:09 PM [Eastern Standard Time] * SVR:USPTO-EFXXF-6/29 * DNIS:2738300 * CSID:16082504874 * DURATION (mm-ss):28-32

*** P A C K I N G L I S T ***

Advanced Circuits
21100 East 33rd Drive
Aurora CO 80011
303-5766610
Tel: 303-5766610
Fax: 303-2891997

SHIPMENT-#: 60583
ORDER-NO: 77538
CUSTOMER-NO: 14557
SHIP-DATE: 05/12/2001

CUST-PO:cc

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SHIP-TO:P.A. Sound Systems
207 Canterbury Ct.
Campbridge WI 53523
USA

PARTNUMBER:dsp_brd

PARTNUMBERREV:

TERMS:CREDIT CARD
SHIP-VIA:UPS-GROUND

TRACKING-#:

ITEM-NUMBER	DESCRIPTION	QtyOrigOrd	QtyOpenOrd	QtyShipped	QtyBackOrd
102	Prototype 2-Layer	2	2	2	0

- NOTICE -

IF YOU HAVE ANY QUESTIONS CONCERNING THIS SHIPMENT, IT IS
IMPORTANT THAT YOU CALL ADVANCED CIRCUITS WITHIN 48 HOURS
PH: 1-800-289-1724

THANK YOU FOR YOUR ORDER

Order Information

Page 1 of 2

**1-800-344-4539**

Web ID: 903326 Access ID: 12695 Salesorder Status: Committed

Your order has been submitted.

Your Salesorder Number is: 8845672

Ship To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT. CAMBRIDGE, WI 53523 USA	Purchase Order:	-
		Salesorder #:	8845672
Bill To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT. CAMBRIDGE, WI 53523 USA	Customer #:	-
		Pay Method:	MasterCard
		Name on Card:	JEFFREY P MILSAP
		Ship Method:	USPS First Class Mail
Contact Info:	Email: JMILSAP@BMINET.COM Phone: 608-772-0402		

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Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	2	LT1460ACN8-10-ND	IC PRECISION SERIES REF 8-DIP		0	5.50000	\$11.00
2	25	296-1621-5-ND	IC OCT D TRANSP LATCH 20-DIP		0	1.12520	\$28.13

<https://sales.digkey.com/scripts/sbs.dll>

5/31/01

Order Information

Page 1 of 2



1-800-344-4539

Web ID: 907372 **Access ID:** 21942 **Salesorder Status:** Committed

Your order has been submitted.
 Your Salesorder Number is: 8853585

Ship To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA		Purchase Order:	-
			Salesorder #:	8853585
			Customer #:	-
Bill To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA		Pay Method:	MasterCard
			Name on Card:	JEFFREY P MILSAP
	608-772-0402		Ship Method:	Federal Express Overnight A.M. Delivery
Contact: Email: JML.SAP@BMINET.COM Info: Phone: 608-772-0402				

Page 7

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	5	LT1460ACN8-10-ND	IC PRECISION SERIES REF 8-DIP		0	5.50000	\$27.50
2	25	296-2082-5-ND	QUAD 2-INPUT NOR GATE		0	0.31520	\$7.88

<https://sales.digkey.com/scripts/sbs.dll>

6/1/01

Order Information

Page 1 of 3



1-800-344-4539

Web ID: 949912 Access ID: 41101 Salesorder Status: Committed

Your order has been submitted.

Your Salesorder Number is: 8930838

Ship To:	JEFF MILSAP PA SMD SYST 207 CANTERBURY CT CAMBRIDGE, WI 53523-0000 USA		Purchase Order:	-
			Salesorder #:	8930838
			Customer #:	1976022
			Pay Method:	American Express
Bill To:	JEFF MILSAP PA SMD SYST 207 CANTERBURY CT CAMBRIDGE, WI 53523-0000 USA 608-772-0402		Name on Card:	JEFFREY P MILSAP
			Ship Method:	UPS Ground
Contact Info:		Email: JMILSAP@BMINET.COM Phone: 608-772-0402 Fax: 608-827-8600		

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Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	100	BR1103-ND	.010UF/100VDC METAL POLY CAP		0	0.22250	\$22.25
2	1000	P4201-ND	CAP CERAMIC DISC .1UF 25V ZAV		0	0.08568	\$85.68

<https://sales.digikey.com/scripts/sbs.dll>

6/23/01

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Orders 1-800-344-4539
Fax 218-681-3380
www.digikey.com

Pack List # 1

Digi-Key

CORPORATION

Page: 1
Box: 1

701 Brooks Ave. S., P.O. Box 677, Thief River Falls, MN 56701-0677

JEFF MILSAP
PA SMD SYST
207 CANTERBURY CT
CAMBRIDGE WI 53523-0000

Sales Order 8937834	Invoice 10867558	Customer 2047143	Account 576036	Customer P.O. VERBAL/JEFF
Prev. Sales Order 8930838	Entered Date 26-JUN-2001	Operator AOMVN	Printing Date 3-JUL-2001	Back Orders Accepts to 26-JUL-2001

802

Ordered	Cancelled	Qty	Location	Item Number	Shipped	Description	Back Order	Unit Price US \$	Amount US \$
81	0	1	LI- 721	P10178-ND	81	SPEAKER ROUND 77MM 25 OHM .63W		6.10400	494.42
SHIPABLES: 1									
TOTAL INVOICED									494.42
** CHARGES SUBTOTAL **									494.42
TOTAL (EXCLUDING SHIPPING) CHARGED TO CREDIT CARD									494.42
									US \$ \$
YOUR CREDITCARD WILL BE CHARGED ABOVE AMOUNT PLUS ACTUAL SHIPPING COSTS									
THE ORDER IS COMPLETE									
General - CONFIRMING NOT REQUIRED									
VERIFIED QUANTITY AND PRICING W/JEFF MILSAP									
These commodities, technology or software were exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.									
CERTIFICATE OF COMPLIANCE: The components included in the above shipment are in accordance with the requirements, specifications and/or drawings as applicable to this order. Technical specifications (chemical, physical, electrical, etc.), together with the results of any test performed by the manufacturer may be on file either at Digi-Key or in the plant of the manufacturer. No component sold by Digi-Key is approved on any military CPL or similar listing. This certification is valid only to the original customer and is not transferable. Contact Customer Service at 1-800-858-3616 if further information is required.									
<i>Kim Gilbert</i> Kim Gilbert, Customer Service Assistant Manager									

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Claims for pricing errors, shortages, and defective product must be reported within 30 days of invoice date.

Contact Customer Service at 1-800-858-3616

DUNS No: 05 760 2120

FBI No: 41-1234968 YOU MUST REMIT SALES TAX (IF ANY) DIRECTLY TO YOUR STATE, EXCEPT MINNESOTA.

Order Information

Page 1 of 2



1-800-344-4539

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Web ID: 1048679 Access ID: 20383 Salesorder Status: Committed

Your order has been submitted.
Your Salesorder Number is: 9122266

Ship To:	JEFF MILSAP P.A.SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA	Purchase Order:	-
		Salesorder #:	9122266
		Customer #:	-
Bill To:	JEFF MILSAP P.A.SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA 608-772-0402	Pay Method:	MasterCard
		Name on Card:	JEFFREY P MILSAP
		Ship Method:	UPS 2nd Day Air
Contact Info:	Email: JMILSAP@BMINET.COM Phone: 608-772-0402		

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	27	281-1462-ND	CONN TERM BLOCK 5.08MM 6POS PCB		0	2.61000	\$70.47
2	6	CHS26G-ND	CONN HDR 26 PIN GOLD VERT PCB		0	1.86000	\$11.16
3	6	CSR26T-ND	CONN SOCKET 26 PIN TIN W/STR REL		0	2.11000	\$12.66
4	6	C7MXT-2506M	CABLE D-SUB CMP25T/R011/X		6 Value Add	8.68000	\$52.08

Fields marked unknown cannot be determined at this time.

A \$5 handling charge is added to your order if the subtotal is less than \$25.
6.5 percent sales tax is added to your order if the shipping address is in Minnesota.

International orders (excluding Canada) will have a \$6.00 processing fee added to your order.

All duties and taxes are the responsibility of the customer.

These commodities, technology or software will be exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.

Subtotal:	\$146.37
Handling:	\$0.00
Shipping:	unknown
Sales Tax:	\$0.00
Total:	unknown

Order Notes

n/a

Ordering Home Page Digi-Key Home Page

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Email: webmaster@digikikey.com

<https://sales.digikey.com/scripts/sbs.dll>

8/16/01

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